



LKT Laboratories, Inc.

Bafilomycin B1

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Product Information

Product ID B0026

CAS No. 88899-56-3

Chemical Name Hygrolidin, 37-decarboxy-2-demethyl-37-(((2-hydroxy-5-oxo-1-cyclopenten-1-yl)amino)carbonyl)-2-methoxy-24-methyl-

Synonym Setamycin

Formula C₄₄H₆₅NO₁₃

Formula Wt. 815.99

Melting Point 89-96 °C (dec)

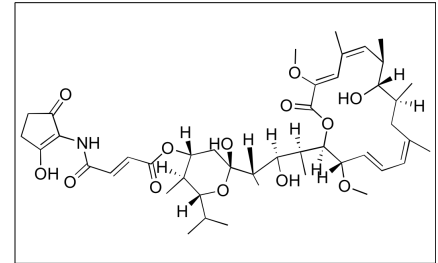
Purity ≥97%

Solubility Soluble in methanol.

Store Temp -20 °C

Ship Temp Ambient

Description Bafilomycin B1 is a macrolide antibiotic that also exhibits antifungal activity. Bafilomycin B1 inhibits the vacuolar H⁺ ATPase. Additionally, bafilomycin B1 inhibits Foxo1 and increases β cell apoptosis, accelerating the onset of diabetes.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
B0026	0.5 mg	\$98.00
B0026	1 mg	\$260.50
B0026	5 mg	\$833.80

References Schachtschabel D, Arentshorst M, Lagendijk EL, et al. Vacuolar H⁽⁺⁾-ATPase plays a key role in cell wall biosynthesis of *Aspergillus niger*. *Fungal Genet Biol.* 2012 Apr;49(4):284-93. PMID: 22222772.

Hettiarachchi KD, Zimmet PZ, Danial NN, et al. Transplacental exposure to the vacuolar-ATPase inhibitor bafilomycin disrupts survival signaling in beta cells and delays neonatal remodeling of the endocrine pancreas. *Exp Toxicol Pathol.* 2008 Aug;60(4-5):295-306. PMID: 18486461.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.